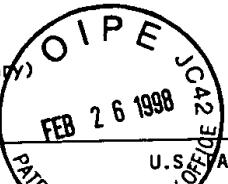


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| SUBSTITUTE FORM PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 08810/008001 | SERIAL NO. 08/962,362 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b)) | | | | APPLICANT Kambe et al. | |
| | | | | FILING DATE October 31, 1997 | GROUP 2875 |



U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | PATENT NUMBER | | ISSUE & TRADEMARK DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | | | | | |
|------------------|----|---------------|---|------------------------|----------|-------|----------|----------------------------|----------|-------------------------|-----|--------|--|
| MAT | AA | 2 | 6 | 0 | 3 | 5 | 5 | 4 | 07/15/52 | J. H. Calbeck | 23 | 147 | |
| MAT | AB | 2 | 6 | 1 | 0 | 1 | 5 | 4 | 09/09/52 | Joshua R. C. Brown, Jr. | 252 | 301.6 | |
| MAT | AC | 2 | 8 | 5 | 4 | 4 | 1 | 3 | 09/30/58 | Charles Gerald Geary | 252 | 301.6 | |
| MAT | AD | 2 | 8 | 6 | 3 | 0 | 8 | 4 | 12/02/58 | Arnott et al. | 315 | .17 | |
| MAT | AE | 2 | 8 | 9 | 8 | 1 | 9 | 1 | 08/04/59 | Conn et al. | 23 | 147 | |
| MAT | AF | 2 | 9 | 6 | 8 | 6 | 2 | 7 | 01/17/61 | Anselm Wachtel | 252 | 301.6 | |
| MAT | AG | 3 | 0 | 4 | 0 | 2 | 0 | 2 | 06/19/62 | Willi Lehmann | 313 | 108 | |
| MAT | AH | 3 | 1 | 3 | 1 | 0 | 2 | 5 | 04/28/64 | Carnall, Jr. et al. | 23 | 135 | |
| MAT | AI | 3 | 2 | 6 | 0 | 8 | 7 | 9 | 07/12/66 | Irving Feuer | 313 | 108 | |
| MAT | AJ | 3 | 4 | 0 | 6 | 2 | 2 | 8 | 10/15/68 | Hardy et al. | 264 | .5 | |
| MAT | AK | 3 | 6 | 9 | 1 | 0 | 8 | 8 | 09/12/72 | Dean E. Pelton | 252 | 301.65 | |

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

| | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |
|--|----|-----------------|------------------|--------------------------|-------|----------|-------------|
| | | | | | | | YES |
| | AL | | | | | | |
| | AM | | | | | | |
| | AN | | | | | | |
| | AO | | | | | | |
| | AP | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

| | | | |
|--|----|--|--|
| | AQ | | |
| | AR | | |
| | AS | | |

EXAMINER

M. Day

DATE CONSIDERED

3/18/99

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b)) | | O P E FEB 26 1998 PATENT & TRADEMARK DOCUMENTS | | APPLICANT Kambe et al. | |
| | | | | FILING DATE October 31, 1997 | GROUP 2875 |

| EXAMINER INITIAL | | PATENT NUMBER | | | | | | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
|------------------|----|---------------|---|---|---|---|---|------------|----------|------------------------|----------|----------------------------|--|
| MAT | BA | 3 | 9 | 8 | 4 | 5 | 8 | 6 | 10/05/76 | Kawarada et al. | 252 | 301.6 S | |
| MAT | BB | 4 | 1 | 1 | 6 | 8 | 6 | 4 | 09/26/78 | Kagami et al. | 252 | 301.6S | |
| MAT | BC | 4 | 1 | 7 | 2 | 9 | 2 | 0 | 10/30/79 | Kanda et al. | 428 | 403 | |
| MAT | BD | 4 | 2 | 7 | 5 | 3 | 3 | 3 | 06/23/81 | Kagami et al. | 313 | 495 | |
| MAT | BE | 4 | 6 | 8 | 0 | 2 | 3 | 1 | 07/14/87 | Yamaura et al. | 428 | 407 | |
| MAT | BF | H | 4 | 2 | 9 | | | | 02/02/88 | Harris et al. | 423 | 561R | |
| MAT | BG | 4 | 8 | 0 | 8 | 3 | 9 | 8 | 02/28/89 | Robert H. Heistand, II | 423 | 622 | |
| MAT | BH | 4 | 9 | 6 | 0 | 6 | 5 | 4 | 10/02/90 | Yoshinaka et al. | 428 | 614 | |
| MAT | BI | 5 | 1 | 2 | 8 | 0 | 6 | 3 | 07/07/92 | Hayato Kamikubo | 252 | 301.5 | |
| MAT | BJ | 5 | 1 | 5 | 2 | 9 | 7 | 3 | 10/06/92 | Nicholas D. Spencer | 423 | 419P | |
| MAT | BK | 5 | 1 | 6 | 7 | 9 | 9 | 0 | 12/01/92 | Tono et al. | 427 | 4275? | |

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

| | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION | |
|--|----|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | BL | | | | | | | |
| | BM | | | | | | | |
| | BN | | | | | | | |
| | BO | | | | | | | |
| | BP | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

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| | BQ | | |
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| EXAMINER <i>M.D. a/y</i> | DATE CONSIDERED <i>3/18/99</i> |
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| | | | | FEB 26 1998 U.S. PATENT & TRADEMARK OFFICE | FILING DATE October 31, 1997 | GROUP 2875 | | | | | | | |
| EXAMINER INITIAL | | PATENT NUMBER | | | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | | | | |
| <i>Mur</i> | CA | 5 | 2 | 5 | 0 | 2 | 8 | 1 | 10/05/93 | Imai et al. | 423 | 623 | |
| <i>Mur</i> | CB | 5 | 2 | 6 | 4 | 0 | 3 | 1 | 11/23/93 | Palmer et al. | 106 | 401 | |
| <i>Mur</i> | CC | 5 | 3 | 9 | 0 | 2 | 7 | 6 | 02/14/95 | Tai et al. | 385 | 146 | |
| <i>Mur</i> | CD | 5 | 4 | 1 | 8 | 0 | 6 | 2 | 05/23/95 | Kenton D. Budd | 428 | 403 | |
| <i>Mur</i> | CE | 5 | 4 | 9 | 8 | 3 | 6 | 9 | 03/12/96 | Bredol et al. | 252 | 301.65 | |
| <i>Mur</i> | CF | 5 | 5 | 0 | 4 | 5 | 9 | 9 | 04/02/96 | Okabayashi et al. | 359 | 50 | |
| <i>Mur</i> | CG | 5 | 5 | 2 | 7 | 5 | 1 | 9 | 06/18/96 | Miksits et al. | 423 | 622 | |
| <i>Mur</i> | CH | 5 | 6 | 3 | 5 | 1 | 5 | 4 | 06/03/97 | Arai et al. | 423 | 592 | |
| <i>Mur</i> | CI | 5 | 6 | 3 | 7 | 2 | 5 | 8 | 06/10/97 | Goldburd et al. | 252 | 301.4R | |
| <i>Mur</i> | CJ | 5 | 6 | 4 | 3 | 4 | 9 | 6 | 07/01/97 | Brese et al. | 252 | 301.65 | |
| <i>Mur</i> | CK | 5 | 6 | 5 | 1 | 7 | 1 | 2 | 07/29/97 | Michael D. Potter | 445 | 29 | |
| FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION | | | | | | | | | | | | | |
| | | DOCUMENT NUMBER | | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | | CLASS | SUBCLASS | TRANSLATION | | | | |
| | | | | | | | | | YES | NO | | | |
| | CL | | | | | | | | | | | | |
| | CM | | | | | | | | | | | | |
| | CN | | | | | | | | | | | | |
| | CO | | | | | | | | | | | | |
| | CP | | | | | | | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication) | | | | | | | | | | | | | |
| | CQ | | | | | | | | | | | | |
| | CR | | | | | | | | | | | | |
| | CS | | | | | | | | | | | | |
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|---|----|--|---|--|-----------------------------------|--------------------------|----------|----------------------------|-------------|--------------|-----|-----|--|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b)) | | O I P FEB 26 1998 U.S. PATENT & TRADEMARK OFFICE | | APPLICANT Kambe et al. FILING DATE October 31, 1997 | | GROUP 2875 | | | | | | | |
| EXAMINER INITIAL | | PATENT NUMBER | | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | | | | | |
| MAR | DA | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 11/26/96 | Haven et al. | 313 | 422 | |
| | DB | | | | | | | | | | | | |
| | DC | | | | | | | | | | | | |
| | DD | | | | | | | | | | | | |
| | DE | | | | | | | | | | | | |
| | DF | | | | | | | | | | | | |
| | DG | | | | | | | | | | | | |
| | DH | | | | | | | | | | | | |
| | DI | | | | | | | | | | | | |
| | DJ | | | | | | | | | | | | |
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| | | DOCUMENT NUMBER | | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | | CLASS | SUBCLASS | TRANSLATION | | | | |
| | | | | | | | | | YES | NO | | | |
| | DL | | | | | | | | | | | | |
| | DM | | | | | | | | | | | | |
| | DN | | | | | | | | | | | | |
| | DO | | | | | | | | | | | | |
| | DP | | | | | | | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication) | | | | | | | | | | | | | |
| | DQ | | | | | | | | | | | | |
| | DR | | | | | | | | | | | | |
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| EXAMINER <i>M-Day</i> | | | | | DATE CONSIDERED <i>3/18/99</i> | | | | | | | | |
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